

Stephen Barnes, MD

PUBLICATIONS:

1. Cook A, Chengceng H, Ward J, Schultz S, Moore F *et al.* Presumptive Antibiotics in Tube Thoracostomy for Traumatic Hemopneumothorax: A Prospective, Multicenter American Association for the Surgery of Trauma Study Trauma Surg Acute Care Open 2019 Nov 4;4(1):e000356. doi: 10.1136/tsaco-2019-000356. eCollection 2019.
2. Chelednik, A, Street M, Biggs J, **Barnes SL**. Enterolith Induced Duodenal Stump Perforation: Rare Remote Complication of Surgery for PUD. *Trauma Surg Acute Care Open*. 2019 Aug 16;4(1):e000360. doi: 10.1136/tsaco-2019-000360.
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6. Quick JA, Bukoski AD, Doty J, Bennett BJ, Crane M, Ahmad S, **Barnes SL**. Case difficulty, post-graduate year and resident surgeon stress: Effects on operative times. *J Surg Educ*. 2018 Aug 23. pii: S1931-7204(18)30444-6. doi: 10.1016/j.jsurg.2018.08.002.
7. Galbraith NJ, Walker SP, Gardner SA, Polk HC, **Barnes SL** Temporal Expression of Circulating miRNA Following Severe Injury. *Surgery*. 2018 Aug 1. pii: S0039-6060(18)30295-2. doi: 10.1016/j.surg.2018.05.042. [Epub ahead of print]
8. Binkley J, Bukoski AD, Doty J, Crane M, **Barnes SL**, Quick JA. Surgical Simulation: Markers of Proficiency. *J Surg Educ*. 2018 Jul 5. pii: S1931-7204(18)30055-2. doi: 10.1016/j.jsurg.2018.05.018.
9. Bukoski, A, Uhlich R, Bowling F, Shapiro M, Kerby JD, Llerena L, Armstrong JH, Strayhorn C, **Barnes SL**. Perceptions of Simulator and Live Tissue-Based Combat Casualty Care Training of Senior Special Operations Medics. *Mil Med*. 2018 Mar 1;183(suppl_1):78-85. doi: 10.1093/milmed/usx136.
10. Quick JA, Breite MD, **Barnes SL**. Inadequacy of algorithmic ventilator-associated pneumonia diagnosis in acute care surgery. *Am Surg*. 2018 Feb 1;84(2):300-304. PMID: 29580362
11. Dhar SM, Breite MD, **Barnes SL**, Quick JA. Pulmonary contusion in mechanically ventilated subjects after severe trauma. *Respir Care* 2018 Mar 13, PMID: 29535258
12. Quick JA, Kudav V, Doty J, Crane M, Bukoski AD, Bennett BJ, **Barnes SL**. Surgical Resident Technical Skill Self-Evaluation: Increased Precision with Training Progression. *Journal of Surgical Research*, 218C (2017) pp. 144-149 DOI information: 10.1016/j.jss.2017.05.070, 04-Oct-2017.

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17. Shellenberger JM, Hammer R, Coberly E, Quick J, **Barnes SL**, Ahmad S. Midazolam induced platelet inhibition on Thromboelastography in a Trauma Patient. *Open J Clin Med Case Rep*. 2016; Vol 2 (23) ISSN 2379-1039.
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42. MacIntyre AD, Quick JA, **Barnes SL**. Hemostatic dressings reduce tourniquet time while maintaining hemorrhage control. *The American Surgeon*, Vol 77, No 2, Feb 2011, pp. 162-165(4).
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1994; 7:31-34.

ABSTRACTS & PRESENTATIONS:

1. Chelednik, A, **Barnes SL**, Quick JA. Quick JA, "Extended VTE Prophylaxis: An Acute Care Surgery Predictive Scoring System" Academic Surgical Congress, Feb 04, 2020
2. Campbell K, Holt JM, Streumph A, **Barnes SL** "Incidental, but not Inconsequential: A Method to Identify and Treat Incidental Findings in Acute Care Surgery," American Association for the Surgery of Trauma, Sept 2019, Dallas Texas.
3. Hu P, Jansen J, Uhlich R, Quick JA, **Barnes SL**, Kerby J. "Increasing Smartphone and Social Media Penetration Strongly Correlates with Mass Shooting Incidents and Deaths in the United States," American Association For the Surgery of Trauma, Sept 2019, Dallas Texas.
4. Chelednik A, Quick J, **Barnes SL**, "Resource Allocation Following Trauma: Does Heart Rate Alone Predict Need for Immediate Access to Highest Level Care," World Surgical Congress, August 2019, Krakow, Poland. *Winner Best Abstract – AAST/IATSIC*
5. Sheppard J, Chelednik A, **Barnes SL**, Quick JA. "Between Memphis and Denver: Midwest predictors of blunt cerebrovascular injury," Missouri American College of Surgeons, May 4, 2019 Lake Ozark, MO.
6. Chelednik A, **Barnes SL**, Quick JA, "Extended Venous Thromboembolism Prophylaxis: An Acute Care Surgery Predictive Scoring System Based on a Review of the Literature," Missouri American College of Surgeons, May 4, 2019 Lake Ozark, MO.
7. Galbraith NJ, Walker SP, Gardner SA, Polk HC, **Barnes SL** Temporal Expression of Circulating miRNA Following Severe Injury. Central Surgical Association, March 2018.
8. Binkley J, Bukoski AD, Doty J, Crane M, **Barnes SL**, Quick JA. Surgical simulation: markers of proficiency. *J Am Coll Surg* 2017 Oct;225(4S):S182.
9. Anderson D, Hongmin S, Hao L, **Barnes SL**. A Novel Anti-virulence Compound for Combat Associated Infection. Military Health System Research Symposium, August 27-20, 2017 Kissimmee FL.
10. Beffa L, Allen A, Coughenour J, **Barnes SL**, Nelson C, Ahmad S, Quick JA, Ramachandran V, Litt J, Michael L, Rawlings A. Water and Saline Head-to-Head in the Blinded evaluation Study Trial (WASH-IT-BEST). MO ACS Annual Meeting, Lake Ozarks, MO May 19, 2017.
11. Melvin JC, Mitchem JB, **Barnes SL**, Quick JA. Perineal hydrostatic injury from personal watercraft. MO ACS Annual Meeting, Lake Ozarks, MO May 19, 2017
12. Quick JA, Kudav V, Doty J, Crane M, Bukoski AD, Bennett BJ, **Barnes SL**. Surgical Resident Technical Skill Self-Evaluation: Increased Precision with Training Progression. Association of Academic Surgery, Las Vegas NV, Feb 8, 2017.
13. Anton E, Anton J, **Barnes SL**, Shuford C, Strayhorn C, Baez N, Honold E. University of Missouri (MU) Combat Casualty Training Consortium Live Tissue versus Simulation (CCTC) Research Study and Test Measurement Design. 2016 Military Health System Research Symposium, Orlando, FL August 15-18, 2016.
14. **Barnes SL**, Uhlich R, Shapiro M, Bukoski A. Prehospital & Tactical Combat Casualty Care - Perceptions of Simulator- and Live Tissue-Based Combat Casualty Care Training of Senior Special Operations Medics 2016 Military Health System Research Symposium, Orlando, FL August 15-18, 2016.

15. **Barnes SL**, Bukoski A, Kerby JD, Llerna L, Armstrong JH, Strayhorn C, and the MU CCTC Investigators. Live Tissue vs Simulation Training for Emergency Procedures: Is Simulation ready to replace live tissue? Central Surgical Association, Montreal, March 9-12, 2016.
16. Bartels AN, Johnson C, Lewis J, Clevenger JS, **Barnes SL**, Hammer RD, Ahmad S. Platelet adenosine diphosphate inhibition in trauma patients by thromboelastography correlates with paradoxical increased platelet dense granule content by flow cytometry. Central Surgical Association, Montreal, March 9-12, 2016.
17. Biggs J, Osterlind S, Hanley L, **Barnes SL**, Ahmad S. Trends in Outcomes for Surgical Management of Acute Perforated Ulcer Disease in the NSQIP Database 2005-2013. MO ACS COT May 29, 2015
18. Parker CD, Breite MD, Bartley MG, **Barnes SL**, Quick JA. Chest X ray for the diagnosis of ventilator-associated pneumonia in acute care surgery: Futile as a knife without a blade.
19. Gillis J, Calyam P, Bartels A, Popescu M, **Barnes SL**, Doty J, Higbee D, Ahmad S. Panacea's Glass: Mobile Cloud Framework for Communication in Mass Casualty Disaster Triage MO ACS COT May 29, 2015
20. Barnes C, Breite MD, **Barnes SL**, Quick JA. Blood Component Therapy Increases Ventilator-Associated Pneumonia Risk in Acute Care Surgery Patients. MO ACS COT May 29, 2015
21. Shellenberger JM, Hammer R, **Barnes SL**, Ahmad S. Midazolam induced platelet inhibition on thromboelastography following trauma: Case Report and Literature Review. . MO ACS COT May 29, 2015
22. Bartels A, Jones C, Scott A, Coberly J, **Barnes SL**, Hammer R, Ahmad S. Thromboelastography with Platelet Mapping is Superior to the platelet Function Assay-100 in detecting Clopidogrel in Trauma Patients. MO ACS COT May 29, 2015
23. Panacea's Glass: Mobile Cloud Framework for Communication in Mass Casualty Disaster Triage. The 3rd IEEE International Conference on Mobile Cloud Computing, Services, and Engineering, San Francisco, CA Mar 30-Apr 3, 2015.
24. Robinett DA, Rodriquez C, Davis JD, Nafziger A, Road R, Shuford R, Bukoski A, Armstrong J, **Barnes SL**, Kerby J. Predictors of Successful Tourniquet Hemorrhage Control NAEMSP January 2015.
25. Breite MD, **Barnes SL**, Quick, JA. Relationship of Transfusion and Ventilator-Associated Pneumonia in Trauma Patients. Health Sciences Research Day, University of Missouri, Nov 13, 2014
26. Bartels A, Gillis J, Barnes SL, Calyam P, Popescu M, Doty J, Higbee D Ahmad, S. Panacea's Glass: A Novel, Hands-Free Communication System for Secure Mass Casualty Disaster Triage. Health Sciences Research Day, University of Missouri, Nov 13, 2014
27. Seidu C, Tomlinson B, Bartels A, Bowles Z, Chen S, Qu Z, Cui J, Calaluze R, **Barnes SL**, Gu, Z. Quantification of Metalloproteases in Human Cerebrospinal Fluid after Traumatic Brain Injury. Health Sciences Research Day, University of Missouri, Nov 13, 2014
28. Martin S, Davis W, Ge B, **Barnes SL**, Diaz J, Litofsky S. Effect of Anemia on Outcome from Traumatic Brain Injury. Health Sciences Research Day, University of Missouri, Nov 13, 2014
29. Popescu M, Cooper C, Barnes SL, "Automated Operative Skill Assessment Using IR Video Motion Analysis", Proceedings of the AMIA Fall Symposium, Washington DC, Nov. 16-19, 2014, pp. 101.

30. Bukoski A, Tucker J, Uhlich R, Cooper C, **Barnes SL** and the MU CCTC Investigators. Recognition and treatment of nerve agent casualties: evidence of reduced learner engagement during video based training. *Military Health System Research Symposium, Aug 18, 2014, Ft Lauderdale, Fla.*
31. Baez N, Burns E, Honold E, Anton J, Bukoski A, Kerby J, Armstrong J, **Barnes SL** and the MU CCTC Investigators. Alternative approach to establish inter-Rater Concordance. *Military Health System Research Symposium, Aug 18, 2014, Ft Lauderdale, Fla*
32. Hu P, Breite MD, Quick JA, Nelson CS, **Barnes SL**. Effects of Pulmonary Contusions on Trauma Patients. Missouri Committee on Trauma Resident Paper Competition May 2014.
33. Uhlich R, Konie J, Davis W, Misfeldt M, Callaluce R, **Barnes SL**. Novel microRNA correlations in the severely injured. *Central Surgical Association, March 6-8, 2014, Indianapolis Indiana.*
34. Stephan C, Sobel A, Bukoski A, Kerby J, Armstrong J, **Barnes SL**. Acceleration of Simulation Based Training of Medical Skills through Multidisciplinary Collaborative Research and Implementation. *AMSUS Nov 2013, Seattle Washington.*
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